

## Water-Data Report 2007

**06364700 ANTELOPE CREEK NEAR TECKLA, WY**

 Cheyenne Basin  
 Antelope Subbasin

LOCATION.--Lat 43°29'08", long 105°13'39" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.35, T.41 N., R.70 W., Converse County, WY, Hydrologic Unit 10120101, on left bank 0.4 mi downstream from Porcupine Creek, 9 mi southeast of Teckla, and 18 mi north of Bill.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1977-81, 2001 to current year.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, wat unf 25 degC μS/cm (00095)		Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
							water, unfltrd field, std units (00400)	25 degC μS/cm (00095)						
Oct														
10...	0835	.00	--	--	--	--	--	--	--	--	--	--	--	--
Nov														
06...	0845	.00	--	--	--	--	--	--	--	--	--	--	--	--
Dec														
11...	0930	.00	--	--	--	--	--	--	--	--	--	--	--	--
Jan														
08...	0915	.00	--	--	--	--	--	--	--	--	--	--	--	--
Feb														
06...	0915	.00	--	--	--	--	--	--	--	--	--	--	--	--
Mar														
06...	0930	.00	--	--	--	--	--	--	--	--	--	--	--	--
Apr														
10...	0950	.07	639	5.6	53	7.6	3,110	2.0	5.0	1,400	322	137	19.4	
May														
09...	0955	.08	646	6.4	76	7.5	3,160	14.0	15.0	1,300	320	133	20.6	
Jun														
05...	0910	.06	643	3.7	44	7.2	3,200	17.0	14.5	1,400	331	137	21.1	
Jul														
10...	0850	.00	--	--	--	--	--	--	--	--	--	--	--	--
Aug														
07...	0945	.01	645	3.4	46	7.2	1,820	25.0	21.5	730	192	61.1	14.7	
Sep														
05...	0945	.00	--	--	--	--	--	--	--	--	--	--	--	--

## 06364700 ANTELOPE CREEK NEAR TECKLA, WY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
 Part 2 of 3  
 [Remark codes: <, less than; E, estimated.]

Date	Sodium adsorption ratio (00931)	Sodium fraction of cations (00932)	Sodium, water, ftrd, mg/L (00930)	Sodium, lab, CaCO <sub>3</sub> (29801)	Alka-linity, wat flt fxd end	Alka-linity, wat flt inc tit	Chloride, field, water, ftrd, mg/L (00940)	Fluoride, water, ftrd, mg/L (00950)	Silica, water, ftrd, mg/L (00955)	Sulfate water, ftrd, mg/L (00945)	Residue water, ftrd, sum of constituents mg/L (70301)	Residue water, ftrd, tons/acre-ft (70303)	Residue water, dissolved, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)
<b>Oct</b>														
10...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Nov</b>														
06...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Dec</b>														
11...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Jan</b>														
08...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Feb</b>														
06...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Mar</b>														
06...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Apr</b>														
10...	3.1	29	259	404	369	21.3	.67	18.6	1,550	2,550	3.87	.54	2,840	
<b>May</b>														
09...	3.3	31	282	387	385	22.5	.64	18.1	1,570	2,600	3.85	.61	2,830	
<b>Jun</b>														
05...	3.3	30	283	383	383	20.0	.79	22.4	1,570	2,620	3.84	.46	2,820	
<b>Jul</b>														
10...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>Aug</b>														
07...	1.9	26	121	349	336	7.62	.73	21.2	655	1,280	1.89	.04	1,390	
<b>Sep</b>														
05...	--	--	--	--	--	--	--	--	--	--	--	--	--	--

## 06364700 ANTELOPE CREEK NEAR TECKLA, WY—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**  
 Part 3 of 3  
 [Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat unf by anal ysis, mg/L (62855)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Alum-inum, water, unfltrd recover-able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Barium, water, unfltrd recover-able, µg/L (01007)	Beryll-ium, water, unfltrd recover-able, µg/L (01012)	Iron, water, fltrd, µg/L (01046)	Mangan-ese, water, fltrd, µg/L (01056)	Selen-ium, water, unfltrd µg/L (01147)
Oct													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
Nov													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
Dec													
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jan													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr													
10...	.034	<.06	<.002	.36	.008	14	.55	.86	24.7	<.12	1,280	1,800	E.15
May													
09...	.020	<.06	<.002	.46	.010	40	.60	1.1	27.6	<.12	169	1,280	.19
Jun													
05...	.023	E.03	<.002	.33	.010	14	.70	.99	36.4	<.12	1,700	2,120	.20
Jul													
10...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug													
07...	.033	<.06	E.002	.58	.015	40	1.1	1.3	192	<.06	558	4,850	.25
Sep													
05...	--	--	--	--	--	--	--	--	--	--	--	--	--